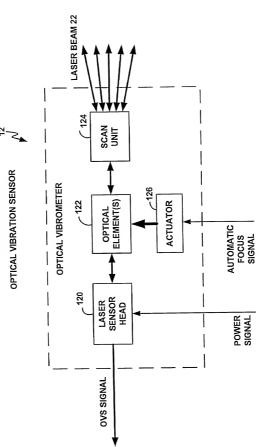
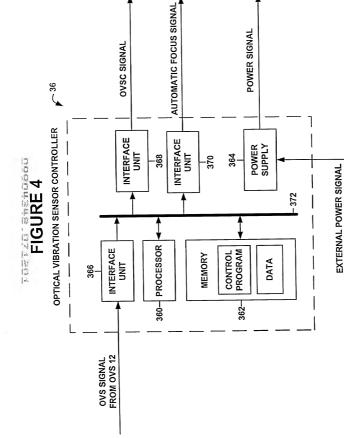


FIGURE 3





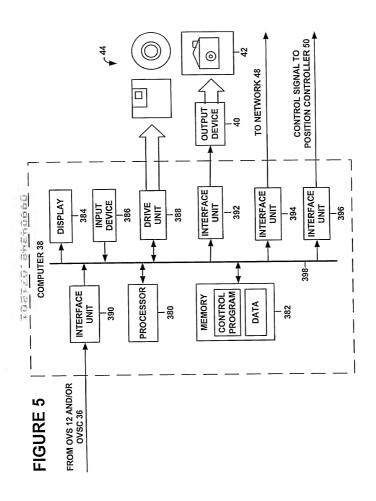
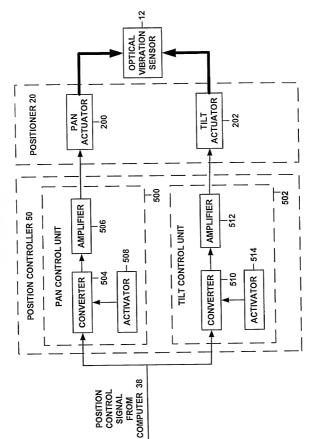
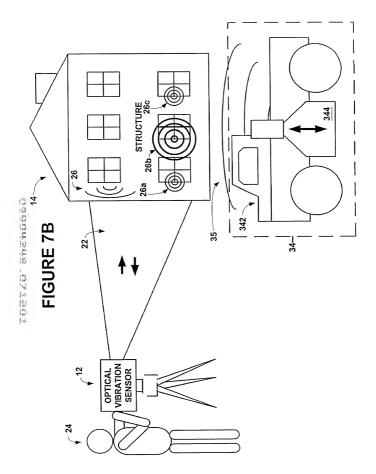
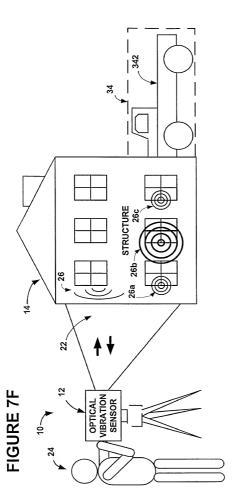
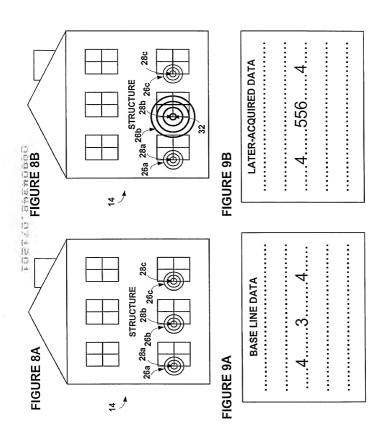


FIGURE 6









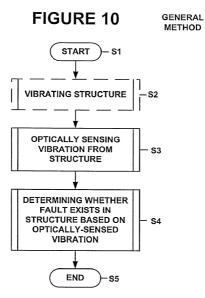


FIGURE 11A

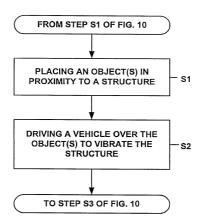


FIGURE 11B

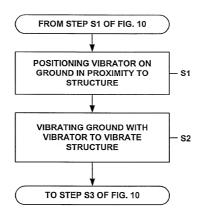


FIGURE 11C

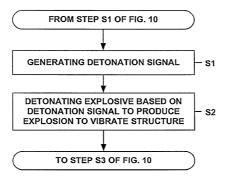


FIGURE 11D

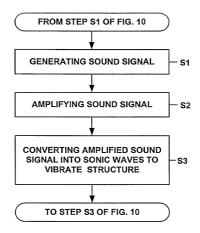


FIGURE 11E

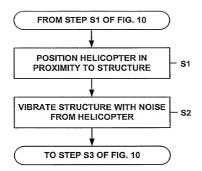
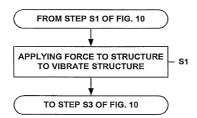
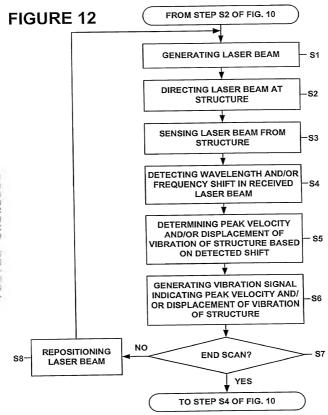


FIGURE 11F





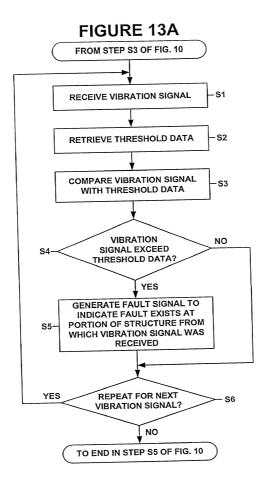


FIGURE 13B FROM STEP S3 OF FIG. 10 RECEIVE FIRST VIBRATION SIGNAL FROM FIRST PORTION OF STRUCTURE HAVING -S1 STRUCTURE ELEMENT ¥ RECEIVE SECOND VIBRATION SIGNAL FROM AT LEAST ONE SECOND PORTION OF STRUCTURE OF SIMILAR STRUCTURE -S2 ELEMENT TO FIRST PORTION OF STRUCTURE COMPARE FIRST AND SECOND VIBRATION SIGNALS RETRIEVE THRESHOLD DATA **S4** FIRST AND SECOND NO VIBRATION SIGNALS DIFFER BY AMOUNT GREATER THAN THRESHOLD DATA? YES GENERATE FAULT SIGNAL ·S6

REPEAT FOR NEXT VIBRATION SIGNALS?

NO
TO END IN STEP S5 OF FIG. 10

YES

